

1885.

ILLUSTRATED AND DESCRIPTIVE CATALOGUE
of

• Agricultural Machinery •

MANUFACTURED BY

HEEBNER & SONS,

Lansdale, Montgomery County, Penn'a., U. S. A.

ILLUSTRATED AND DESCRIPTIVE CATALOGUE

—:—OF—:—

HEEBNERS' PATENT

Level-Tread Horse-Powers

ALSO LEVER POWERS,

Little Giant Threshing Machines, Threshers and Shakers,

Drag and Circular Saw Machines, Union Feed Cutters, Corn Shellers, Etc.,

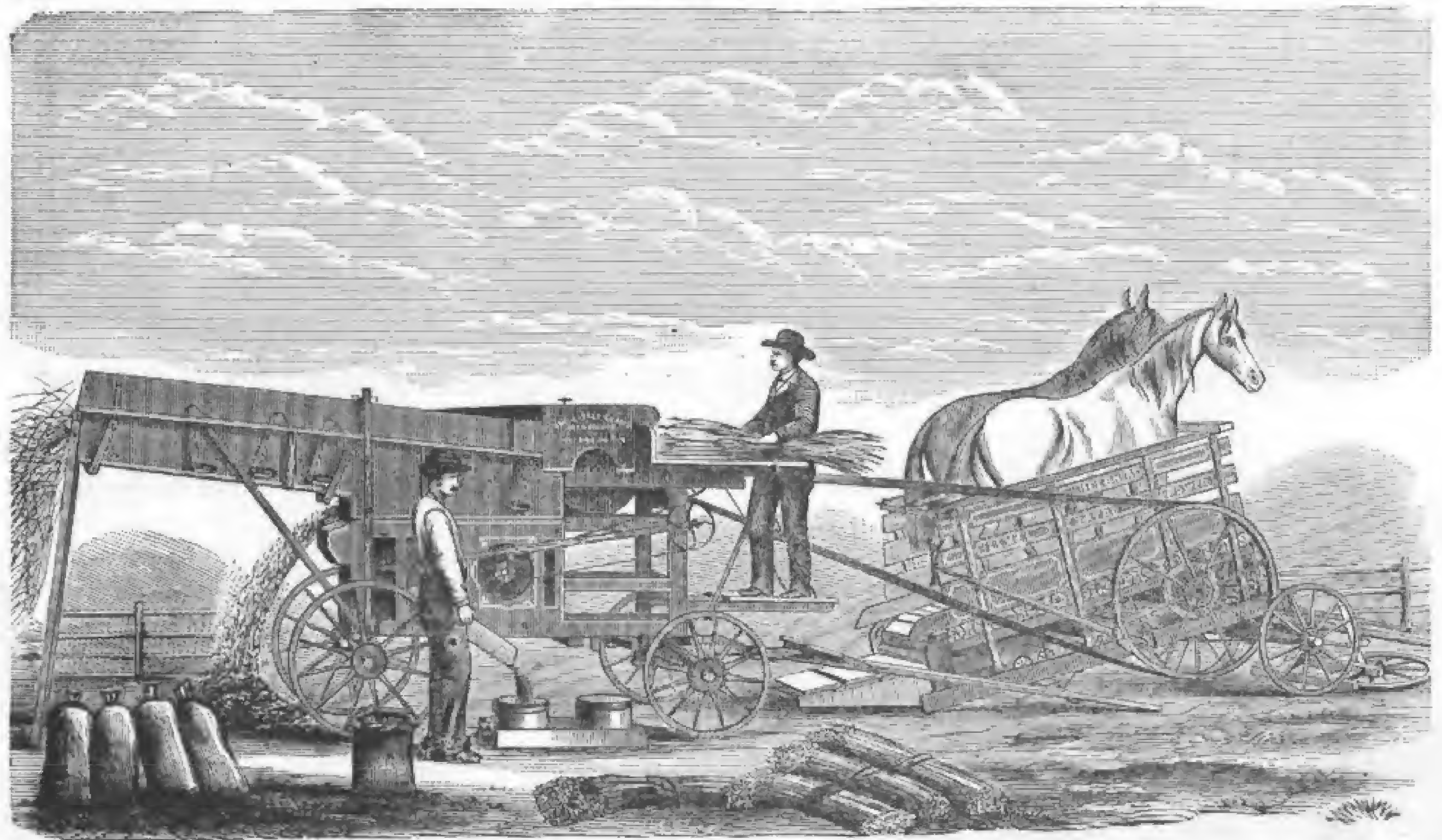
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HEEBNER & SONS,

Lansdale, Montgomery County, Penn'a.

A. K. Thomas & Co., Printers, Lansdale, Pa

Heebners' Double-Geared Level-Tread Power and Little Giant Thresher, MOUNTED ON WHEELS.



❁Introductory❁



WE herewith present to the public our catalogue for 1885 of **Improved Level-Tread Horse-Powers, Little Giant Threshing Machines, Drag and Circular Saw Machines, Union Feed Cutters, Etc.**

For over forty years we have been engaged in the manufacture of Horse-Powers and Threshing Machines, during which time we have been unremitting in our efforts to bring them up to the highest standard of perfection. Our long experience, and the unusual opportunities afforded by our business for observation in this line of manufacture, have given us full knowledge of the wants and requirements of the case and the difficulties which have heretofore been encountered.

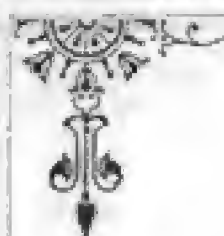
Almost constant experiments have been in progress, and thousands of dollars have thus been spent. These efforts have resulted in the development of our improved and patented **Level-Tread Horse-Power**, which is constructed on new principles, and is a radical change on the old style of Railway Horse-Powers. As thus improved and perfected, this power combines, in a higher degree than any other, the important elements of simplicity, durability, efficiency and ease for the team, as we trust will be apparent from an examination of it, as described and illustrated hereafter.

We say the same also of our new and improved **Little Giant Thresher and Cleaner**, which combines all the advantages and good points of former construction, and at the same time eliminates every feature which our experience has shown to be objectionable, and have added a number of good points not to be found in any other machine.

Our **Drag and Circular Saw Machines** and **Union Feed Cutter** are our own inventions, and for simplicity of construction, efficiency and ease in handling are not equaled by any other manufacturer.

Our machines have become so popular that the demand for them the past few years has increased at such a rapid rate that our facilities for making them have been entirely inadequate. We have just increased our facilities by the erection of new buildings to more than double our former capacity. Hereafter we hope to be able to fill all our orders promptly on receipt of them.

HEEBNER & SONS, Lansdale, Penn.



HEEBNERS' LEVEL-TREAD HORSE-POWERS.

THREE SIZES—For One, Two and Three Horses.

TWO STYLES—Double and Direct Geared.

OUR Improved Oscillating Rim Speed-Regulator, illustrated and described on pages 10 and 11, is attached to all our powers

The Level-Tread Plank (or lag) is an improvement that is peculiar to our power, and distinguishes it from all other horse-powers. Some of our competitors seem alarmed at the revolution our Level-Tread is making in the use of Railway Horse-Powers, and many of them have acknowledged the great importance of our improvements, by making powers with level lags, thus infringing on our patents, having been driven to do so in the attempt to keep up their trade. We have several patents for this invention, which entirely cover the use of the level lag, however made or applied in horse-powers, and all powers *having* level lags, and not made by us, are infringements on our patents, and all parties using such powers are liable to us for damages, so it is well for all who buy powers claiming to have the level-tread to see that HEEBNER & SONS' *address is stenciled upon them*. We shall prosecute all infringers to the full extent of the law.

The lags are made of rock maple, and are $2\frac{1}{2}$ inches thick, *dressed on both sides*; they are $6\frac{1}{2}$ and $7\frac{1}{2}$ inches wide, with the corners taken off in such a manner as to prevent the horses from catching their calks in the joints. They are connected by iron links at each end, which are arranged in such a manner that their rear edges are raised $1\frac{1}{2}$ inches, making them level when the power is in position for use. *No bolts, screws nor rivets* are used in the lags; they are attached to the links by tenons on the ends, that enter mortices in the links.

The lags being level, the *horses' feet are always in a natural position*, and all strains in their feet



and legs consequent when working on other powers are entirely prevented on our powers. *It is not necessary for the horses to be shod at all*, as they can work on this power without shoes and not slip. This is an advantage of very great importance that our level-tread has over all other tread powers; it is the constant fear of slipping that makes much of the hard work for horses on other powers; their nerves are continually strained up, which takes their strength. *Our level-tread is the only power on which oxen can be used without shoes.*

The lag links are connected by means of steel cross-rods passing along under the edges of the lags their entire length, passing through the ends of the links, and extending beyond them far enough to receive the track-wheels. These cross-rods are of fine steel, made especially for this purpose, costing much more than iron such as is generally used in other powers, and lasting four times as long.

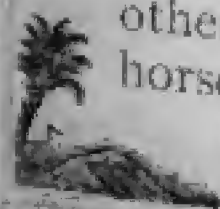
The Arrangement of the Lags is such as to prevent the horses from stepping on and bending the cross-rods, which would throw the track-wheels out of line, and cause a great amount of friction and unequal wear in the rods, wheels and tracks. This serious objection to most Railway Powers is entirely overcome *only* in our Improved Tread.

The hubs of the **Track-Wheels** are not bored through; this prevents the cross-rods from wearing at the shoulder and working through the wheels, causing extra friction along the sides.

The Tracks, which are of solid iron, are constructed in such a manner that all side friction with the track-wheels is entirely prevented.

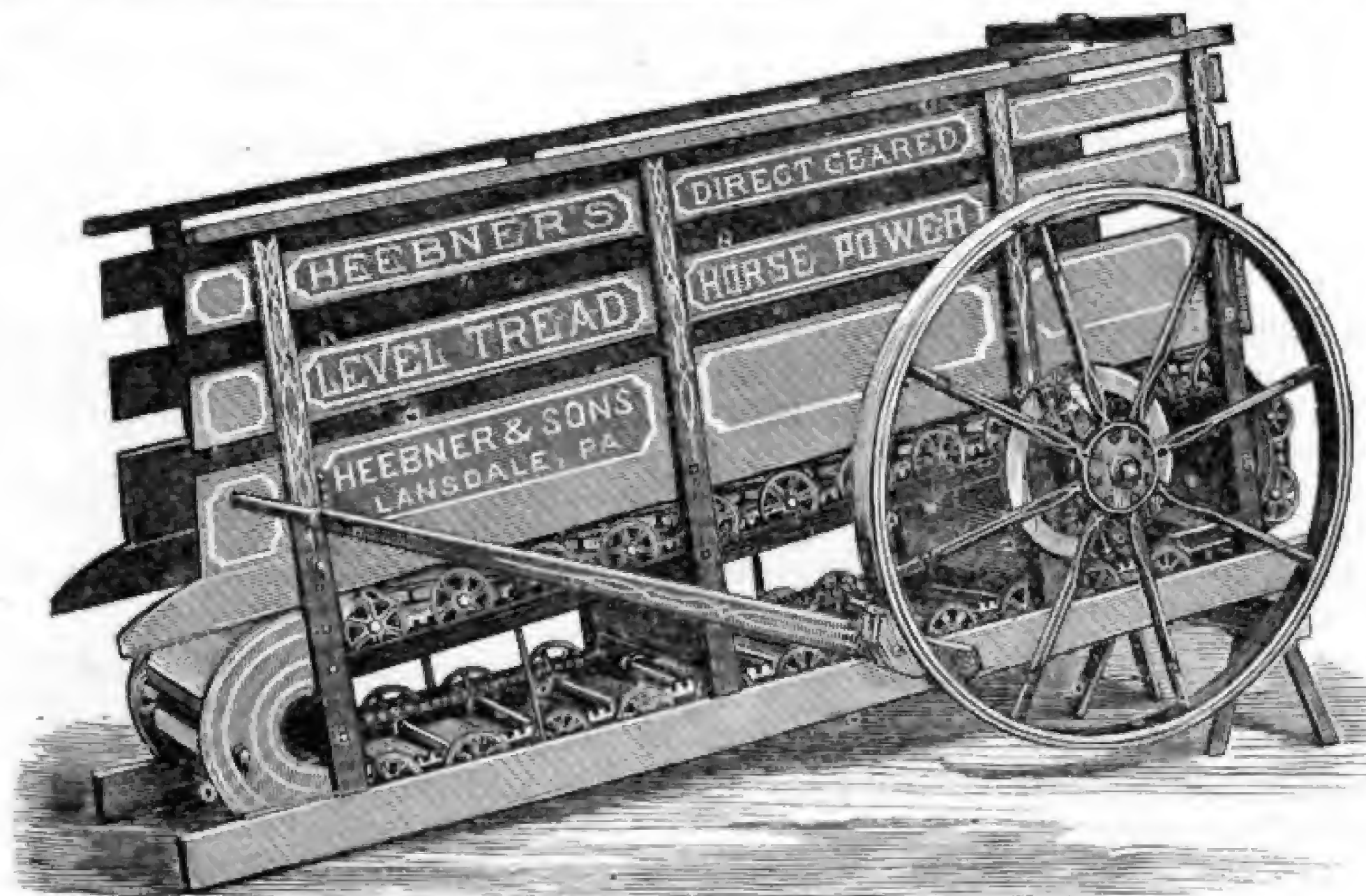
The advantages of the level-tread over the old style of tread-powers are these: *The horses will not slip; their feet are always in a natural position, and strains in their feet and legs are prevented; the horses can work without shoes*, and the expense of keeping them sharp shod, or even shod at all, to prevent them from slipping, is avoided. The horses being smooth shod or not shod at all, *the lags are not subjected to much wear*, and will last much longer than the common powers, where the horses have to be kept sharp shod to prevent them from slipping.

The Level-Tread and Patent Speed-Regulator render our power vastly more valuable than any other horse-power ever made, and this is saying a great deal, for there are in the market several other good horse-powers, but no other has the above improvements, now acknowledged by all to be so essential to a Railway Power.



HEEBNERS' DIRECT-GEARED LEVEL-TREAD POWERS.

The SPEED REGULATOR is not connected to the
Band-Wheel. It is attached to all our Powers



Track-Wheels 5½ inches in Diameter.

Without extra charge.

Cut of Direct-Geared Level-Tread Power for One Horse.

Of all improvements ever made in horse-powers, of whatever kind, our Direct Geared Power excels them.

DIRECT-GEARED LEVEL-TREAD POWER.



THE chain links in the direct-geared power have cogs on them, and they pass over pinions on each end of the band-wheel shaft, by which the band-wheel receives its motion.

The power is made strong and durable; the lags are dressed on both sides and made perfectly true, this prevents friction by their not binding in the joints, and allows the platform to rotate with great ease. This was formerly known as our single-geared power, which we have altered and much improved. The track wheels are enlarged to $5\frac{1}{2}$ inches in diameter; the track circles at the ends are also enlarged. The links and pinions are of hard iron, the cross rods of steel. The power runs easier than before, and is geared higher so the horses walk slower. The power is so much improved that we have changed the name to *direct-geared* as the band-wheel shaft is geared direct from the links without any extra wheels. We now recommend this style of power for general purposes; it is not so heavy as the double-geared, is easier handled, the freight is less, costs less and is not as liable to breakage.

No other Horse-Power is so Simple in Construction.

No other Horse-Power can successfully compete with it.

The two and three-horse-powers are so arranged so the band-wheel can be used on either side; but the one-horse power is made so only when ordered.

Size of band-wheel, 4 ft. 4 in., and an extra size, 4 ft. 8 in., is furnished when ordered.

Size of track-wheel,

Weight of One-Horse Direct-Geared Power,

“ “ Two-Horse “ “ “

“ “ Three-Horse “ “ “

$5\frac{1}{2}$ inches.

900 lbs.

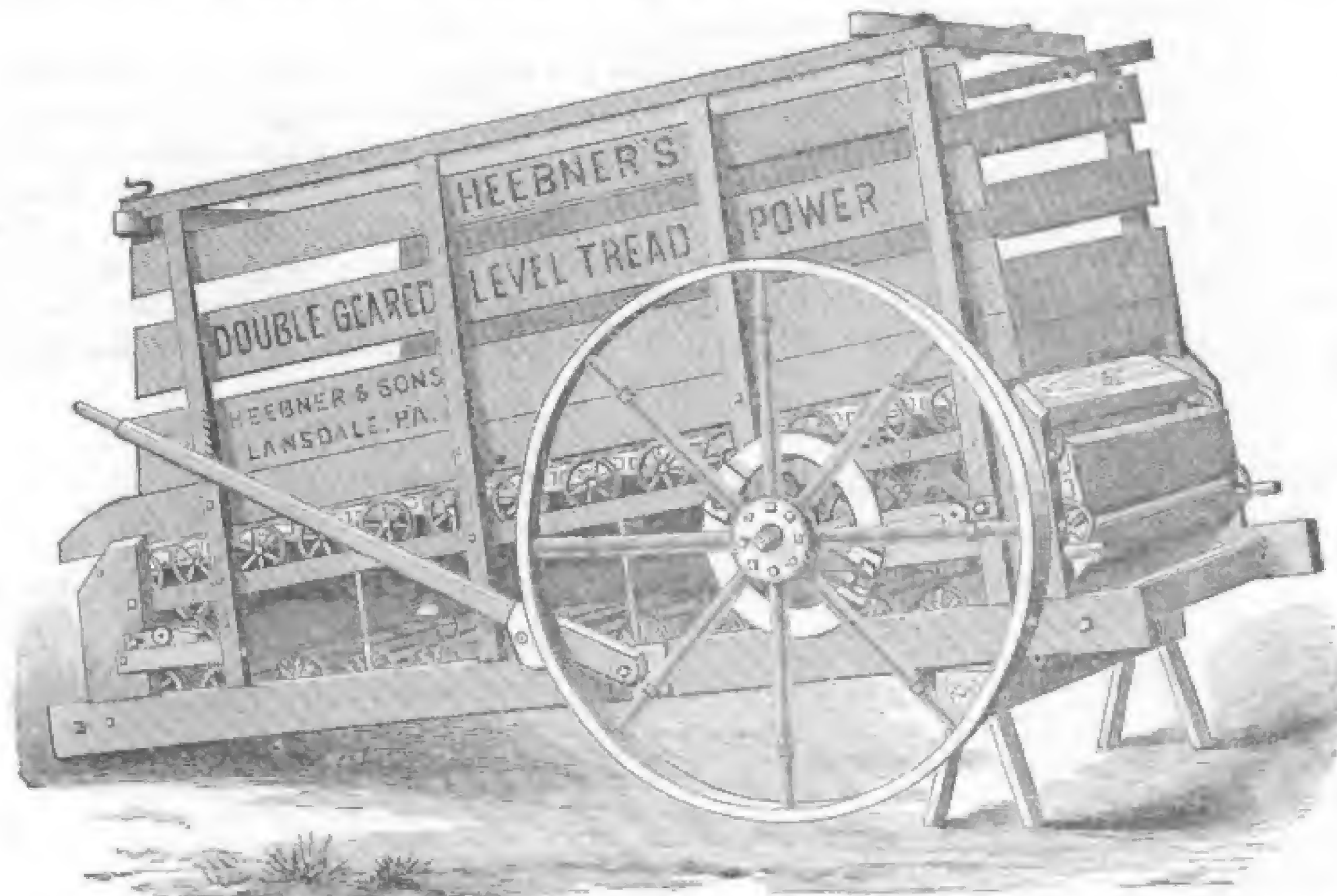
1,600 “

2,300 “



Double-Geared Level-Tread Power "Superior."

THE EASIEST RUNNING POWER IN THE WORLD.

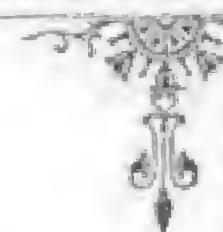


THE HORSES CANNOT STEP ON
THE LAG-LINKS,

BECAUSE THEY ARE PRO-
TECTED BY GUARDS.

The Speed-Regulator IS NOT Connected with the Band-Wheel.

Double-Geared Level-Tread Powers.



OUR Double-Geared Powers are provided with a reel at each end, which carry the endless platform (or chain) around at the end and allow the track-wheels to leave the track at the ends, giving them the opportunity to exhaust their motion in the direction which they are running when they leave one track, so they are ready to turn in the opposite direction when they reach the other track; by this arrangement no power is lost when the wheels change their motion.

The band-wheel receives its motion by gearing from the front reel shaft.

In ordinary work the horses walk at a rate of *less than 1½ miles per hour*, well adapting the power to the use of oxen, or slow walking horses. The Two-Horse Powers are *geared on both sides*, with the shafts extending across the power, making the power run easier and with less liability to wear. The gearing is well protected from dirt by *iron shields*.

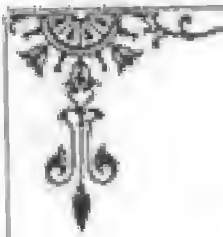
Weight of One-Horse Powers,	-	-	-	-	-	-	-	-	-	1,000 lbs.
" Two " "	-	-	-	-	-	-	-	-	-	1,900 "
" Three " "	-	-	-	-	-	-	-	-	-	2,700 "

Track-wheels, $5\frac{1}{4}$ inches in diameter. Size of band-wheel is the same as that of the Direct-Geared Powers, and like those can be used on either side, except the One-Horse Power.

We also make Double-Geared Powers to run Undershot Threshers.

These Powers do not have the intermediate gear, which causes the band-wheel to run in an opposite direction from that in our regular powers.





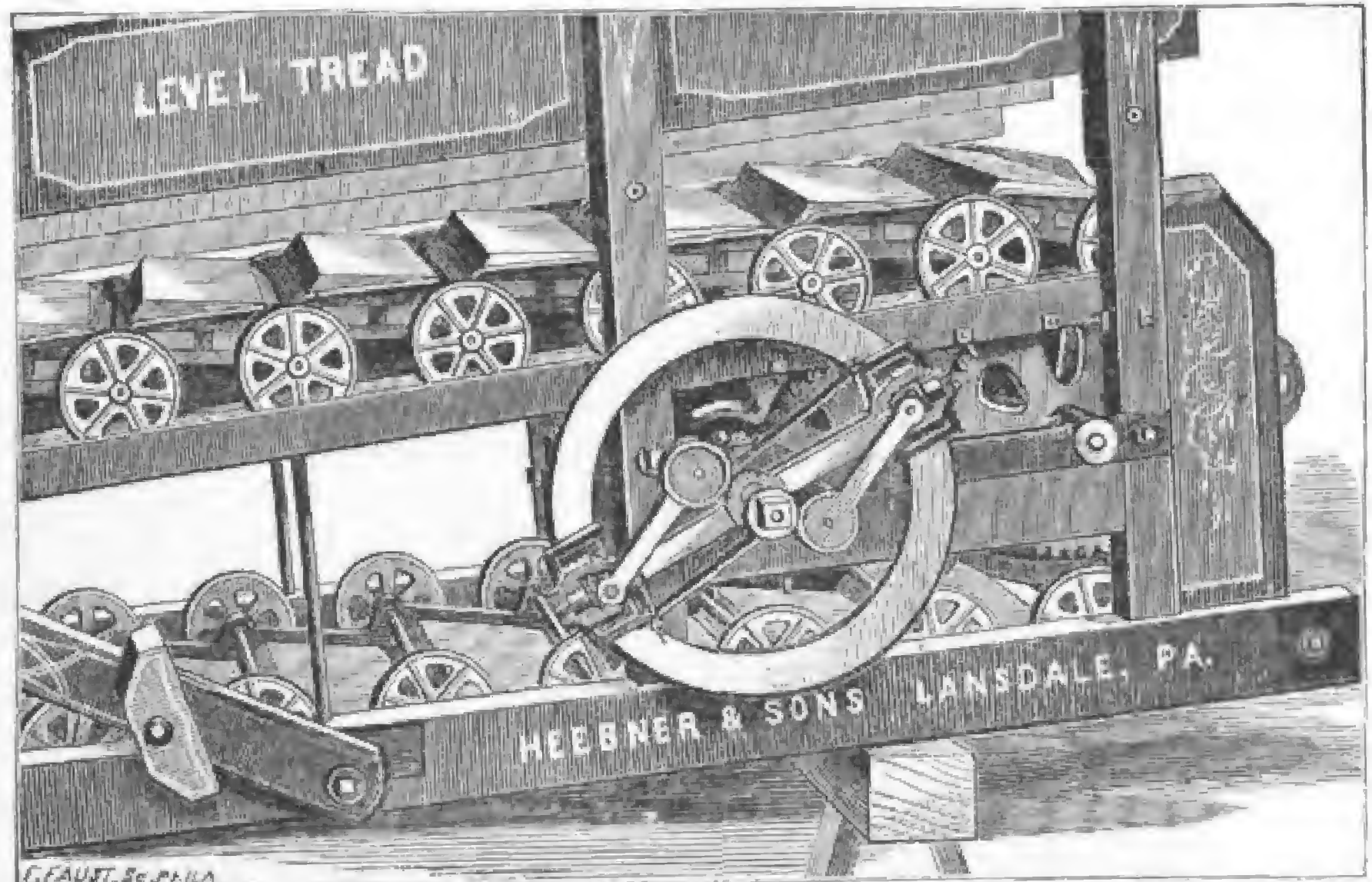
SIDE VIEW OF THE FRONT END OF
Heebners' Level-Tread Double-Geared Power.

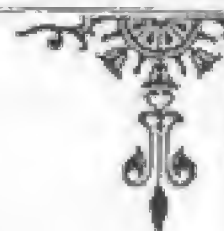
WITH THE BAND-WHEEL REMOVED TO SHOW THE NEW SPEED REGULATOR.

DO not be deceived by persons who represent that they make level-tread powers equal to Heebner & Sons'. *They do not. They are base and inferior imitations.*

We are the first and only inventors of the level-tread plank (or lag) as applied to horse-powers; and as applied in our own powers their construction and arrangement is perfect. Other manufacturers infringe our patents by making powers with level lags; but they construct and arrange them in a very imperfect manner. The lags are placed in such a way that, when but a little worn, the horses will get their toes between them, and step on and bend the cross-rods, throwing the track-wheels out of line, and causing a great deal of extra friction and wear; and also, if the horses' shoes have high toe-calks, they will, at times, get caught between the lags and endanger the horses. The front edge of the lags is left square, so that the horses will sometimes stumble.

The manufacturers advertise these machines as being level-tread powers; so they are in name, but are inferior imitations of our invention, and we caution the public against using them.





Heebners' Patent Improved Speed-Regulator.

THIS is a very valuable invention which we attach to our Powers. It prevents the speed from accumulating beyond a certain point, to which the regulator is adjusted to run, and when that point is reached the power runs on, without any further increase of speed. By means of this important improvement, our powers can be used to run any kind of machinery to which they may be attached.

The Regulator

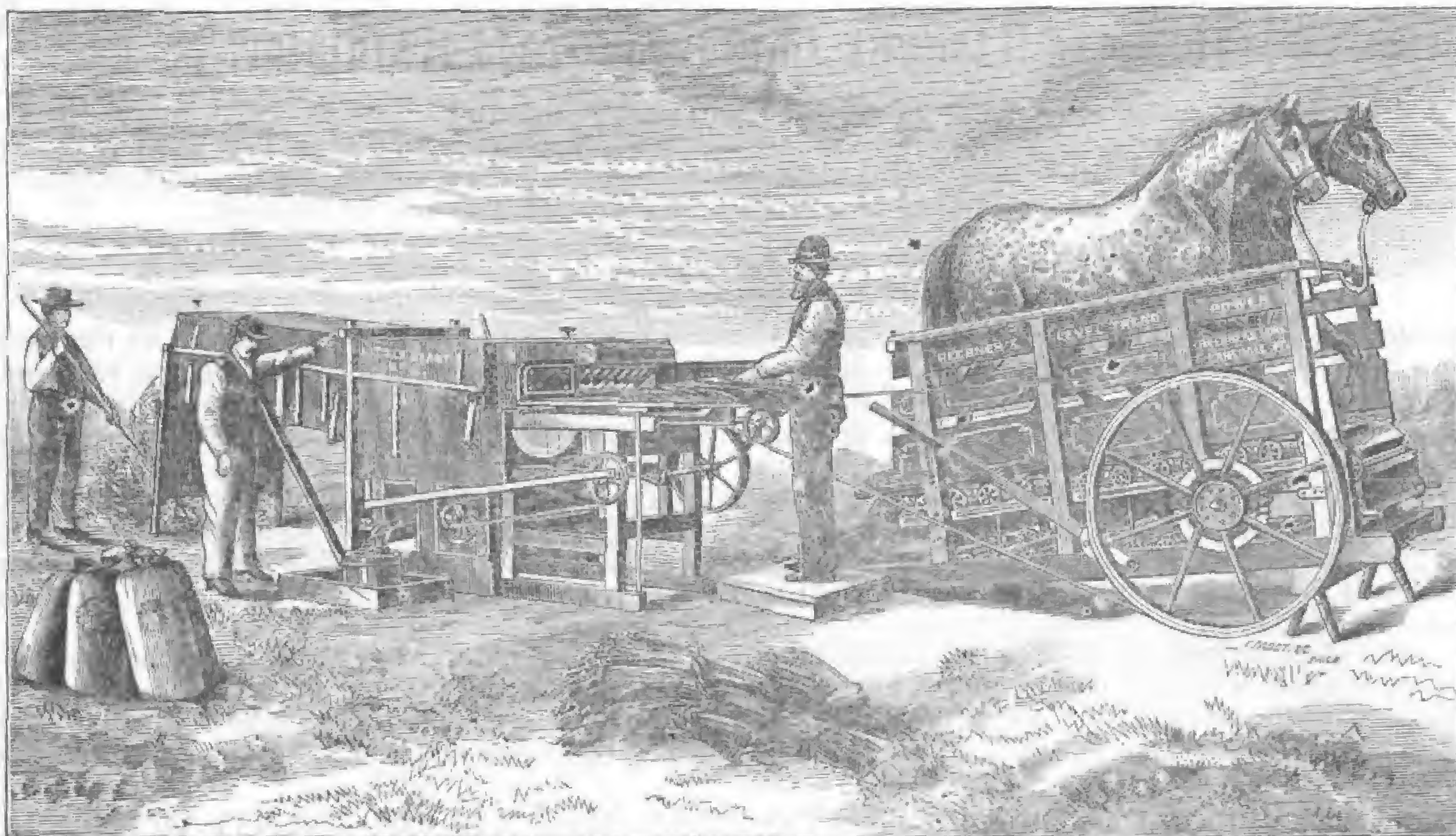
consists of a flat oscillating rim fastened to the frame of the power, and a spider which is placed on the band-wheel shaft inside of the band-wheel. The spider has a weighted lever and a wooden friction block at each end; as the shaft revolves the spider revolves with it, but the rim remains stationary. The weights are thrown outward by the centrifugal force, as they do so, they turn a small cam that operates against the wooden friction block, pressing them against the rim, causing a friction which checks the speed. The weights are controlled by springs, and the springs are adjusted by a bolt and nut. If the springs are screwed down the weights do not fly out so readily, which allows the speed to get up to a higher rate; but if the springs are loosened, the weights will fly out more rapidly and check the speed quicker. The regulator will not stop the power, but will check the speed when it has reached the point to which it is adjusted to run; it will then run on at that rate with regularity.

The great value of the Regulator is obvious; it prevents the horses from being forced out of the power and injured in case the band is thrown off the band-wheel; or if the band wheel should by any means break. It also prevents the necessity of a man holding the brake to check the speed when the machine which the power is running is not at work. A perfect knowledge of the great value of this invention is best obtained by its use.

IT IS NOT ATTACHED TO THE BRAKE OR BAND-WHEEL.



Heebners' Patent Level-Tread Power and Little Giant Thresher.



Little Giant Threshing and Cleaning Machine.

THE LITTLE GIANT is a strong and durable machine ; does its work very fast and in an excellent manner. We make
THREE SIZES—No. 1, No. 2 and No. 3.

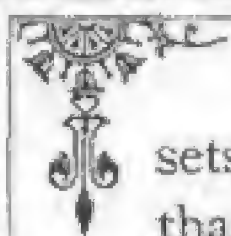
The **Cylinder** is made of wrought iron bars placed across from end to end ; these bars are very strong, and have square holes into which the teeth are nicely fitted to prevent them from turning, and secured with nuts on the inside.

The cylinder runs independently, no part of the machine being run from it. This saves the power and enables it to get speed quicker.

The **Concave** is of cast iron and very strong. It has five rows of teeth, which pass through the iron bed, and then through a wooden bolster two inches thick and each secured with a nut. The wood bolster relieves the iron bed from local strains, and prevents any liability of its breaking when stones or other hard substances get into the machine. The concave is made in two parts ; one of the parts, which has two rows of teeth, can easily be removed when desired, and a blank with no teeth put in its place. This is done to save power when all the teeth are not needed. In sections of the country where the grain is mowed, all the teeth in the concave are always needed to thresh clean ; also, stones and roots are apt to get into mowed grain. For this work we make a concave of one solid piece of great strength, to resist the stones, etc. Our Branch House in Portland, Me., always require this concave, and it is always put into machines going into that section, unless otherwise ordered. In other sections of the country the two-part concave is always sent, unless otherwise ordered.

The **Sides of the Thresher** are of solid cast iron, strong and durable.

The **Patent Duster**.—This is arranged so that the motion of the cylinder *sucks in the dust* away from the feeder, and carries it off with the straw at the rear end of the machine. Every thresherman will at once see the great value of this improvement.



The Shaker has a galvanized iron bottom of great strength and durability, and is provided with five sets of beater forks, which thoroughly beat the straw from the under side as it passes out of the machine, so that no grain can get out with the straw. The shaker shaft has two cranks on opposite sides. One crank drives the shaker and the other the cleaner shoe, each counterbalancing the other, which prevents the machine from shaking.

The Self-Adjusting Wind Regulator gives to the fan in the cleaner a uniform supply of wind *without regard to speed*. If the speed is slow the regulator lets in more wind, and as the speed increases the wind is shut off. The regulator is operated by the action of the fan, but by a simple arrangement it can be easily adjusted to give a greater or less quantity of wind as desired, and this adjustment can be made when the machine is in operation.

The Tailings Elevator is not a permanent attachment, but is furnished with the machine *when it is ordered at an additional cost of \$15*.

It is easily attached to the side of the machine, and is run by a belt from the crank shaft.

The Cleaner Shoe is strong and durable. Each machine has a shaker support at the rear end that stops the chaff and prevents it from mixing with the straw.

No. 1 Little Giant is for two or three-horse power; size of cylinder, 17x30 inches; weight, 1,300 lbs.

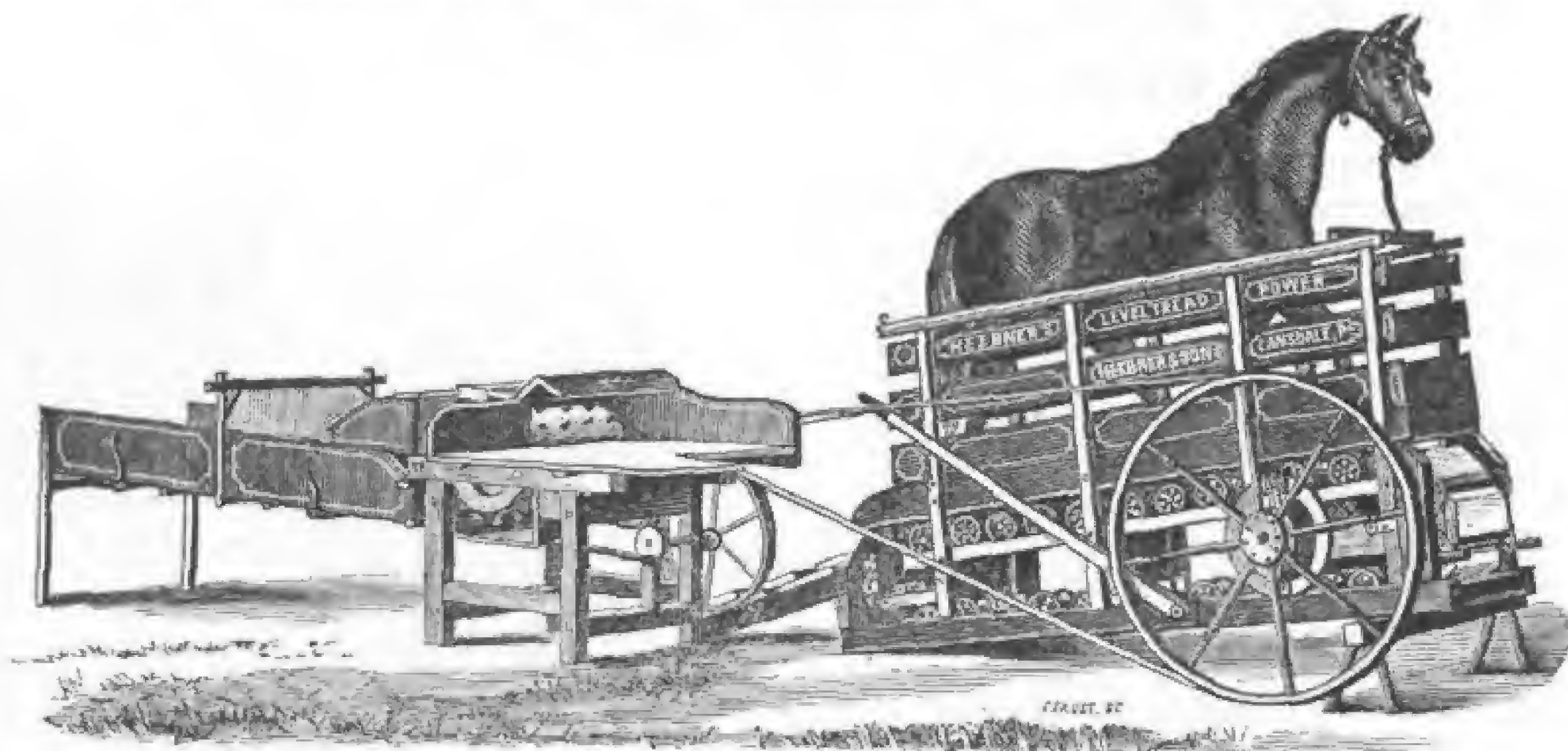
No. 2 is for two-horse power; size of cylinder, 17x26 inches; weight 1,200 lbs.

No. 3 is for one-horse power; size of cylinder, 17x21 inches; weight, 1,000 lbs.

These machines are all arranged to be run on either side.



Horse-Power with Thresher and Shaker.



Horse-Power with Thresher and Shaker, for One Horse.

This is a machine for small farmers. It will thresh all kinds of grain, *separating it from the straw only*. The Shaker has a vibrating bottom, made of the best Bloom sheet iron, perforated with small half-round holes, through which the grain falls, while the straw is carried off at the rear.

Weight of One-Horse Machine, without Power	-	-	-	300 lbs.
“ Two-Horse “ “ “ “	-	-	-	350 “

The Union Feed Cutter

For Cutting Hay, Straw, Corn Stalks, Etc.

THE BEST ENSILAGE CUTTER MADE.

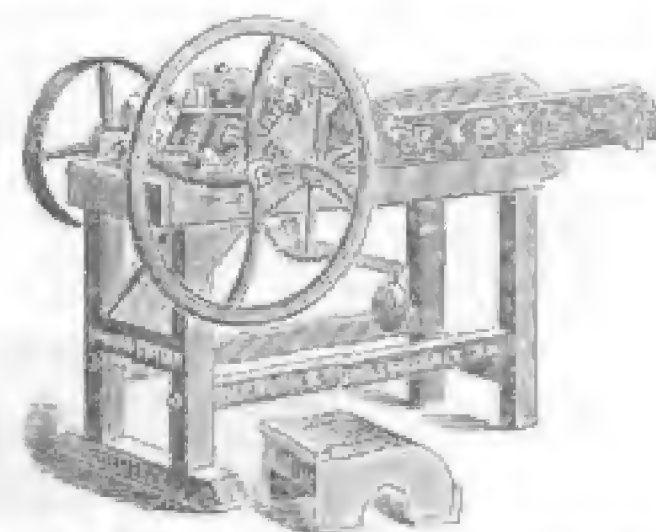
THIS cutter has been in use for a number of years, and thoroughly tested under all circumstances, and proved to be strong, durable and efficient in its work. Of the large number of these cutters that we have made and sold, there has hardly been an instance where they have not given entire satisfaction in every respect.

This cutter has many advantages, some of which we will here mention. It is strongly and firmly built of the best material, and is of sufficient weight to make it stand steady while at work. It has four knives, which are adjustable, and are placed in such a manner as to give it a *shear* cut. The knife-cap is easily and quickly removed when it is necessary to get at the knives to adjust them. The mouth piece forms a superior cutting edge, enabling the knives to cut cleaner and with less power than other cutters.

It feeds itself by means of rollers, which readily adjust themselves to the nature and quantity of fodder passing between them. They are held together by means of a weighted lever (instead of wooden springs, as is generally the case in other cutters), thus giving a more even pressure. It has but two cog wheels in all its gearing. The band-wheel can be used on either side of the machine.

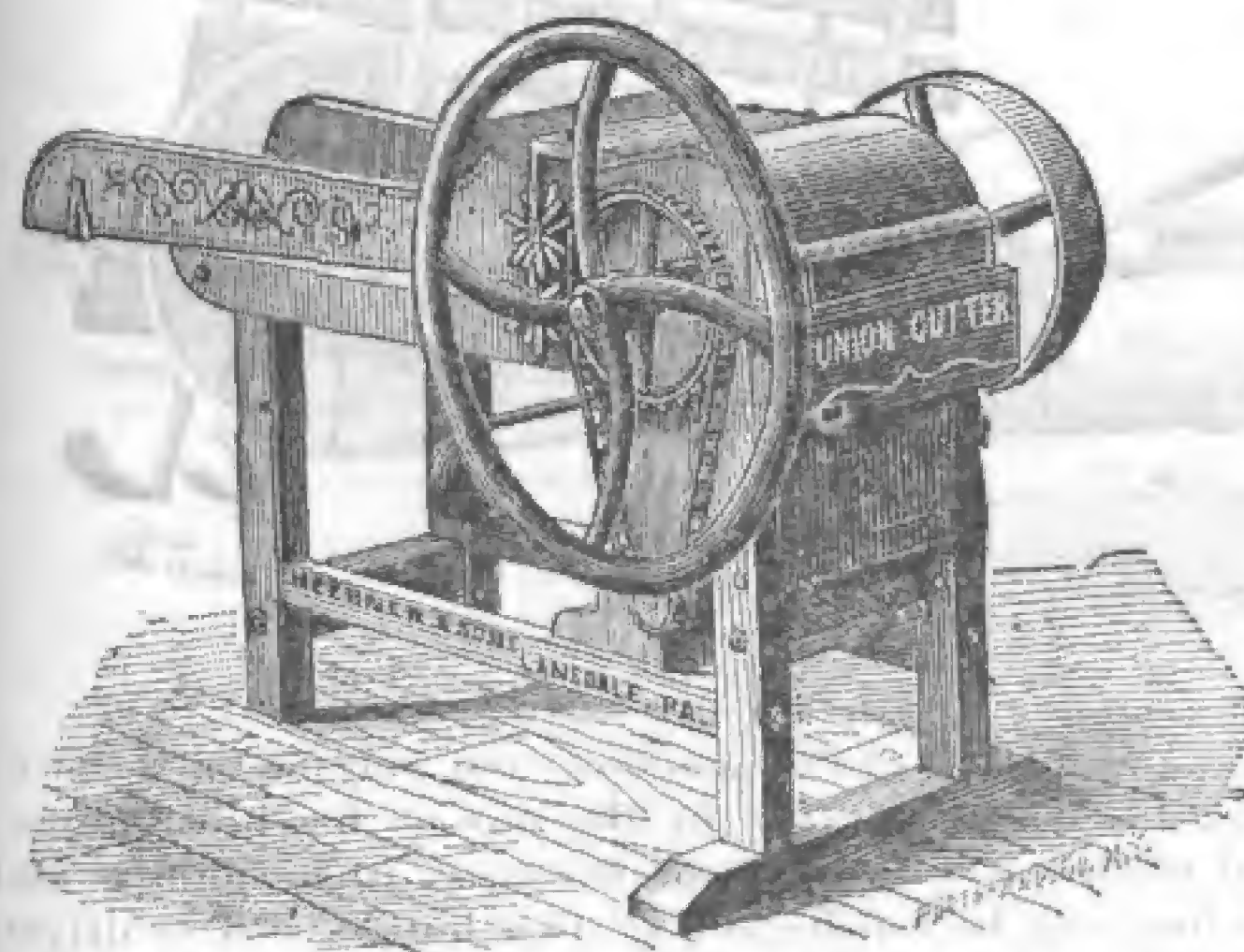
We make three sizes: Nos. 1, 2 and 3. The No. 1 is a large cutter, intended more especially for cutting ensilage for large silos, and is run by steam or a four or six-horse lever-power. No. 2 is easily run by a one-horse tread-power when the crusher is not connected; but when the crusher is connected it requires a two-horse power. The No. 3 is made especially so that it can be run by a one-horse tread-power when the crusher is attached.

Length of knives in No. 1, 16 inches; No. 2, 12 inches; No. 3, 10 inches.



UNION CUTTER WITH CAP REMOVED
TO SHOW KNIVES.

Grinding and Crushing Attachment for Union Feed Cutter.

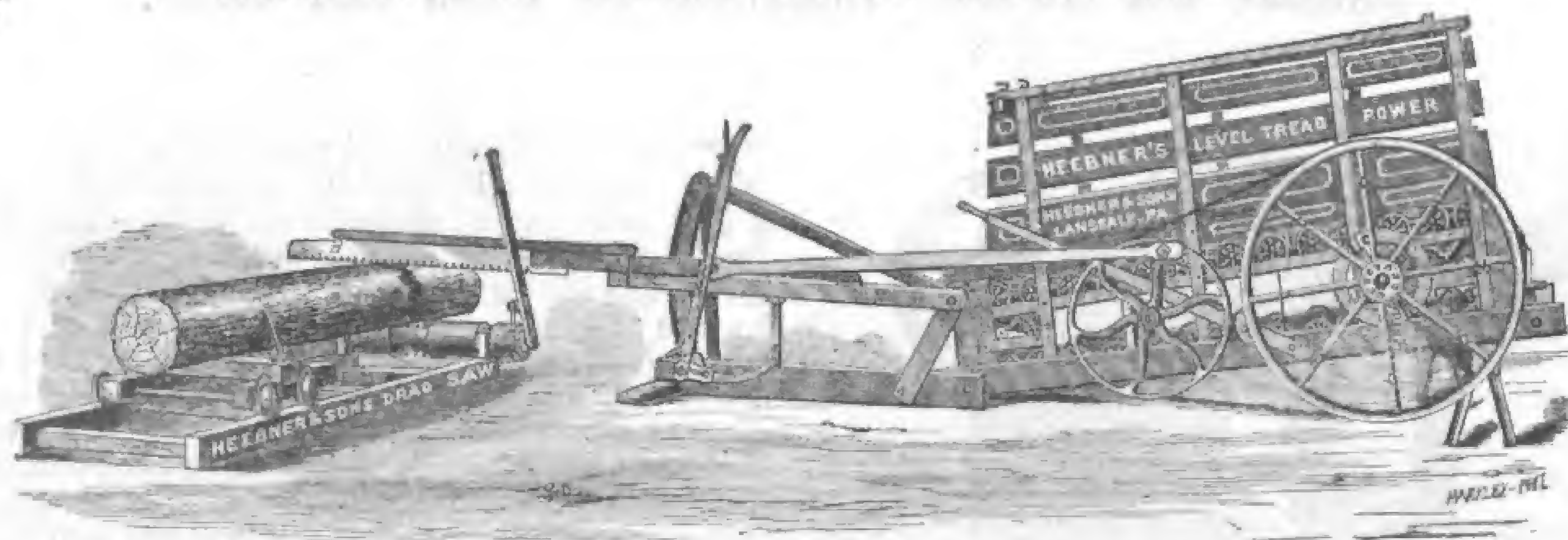


Union Feed Cutter with Grinder and Crusher Attached.

THIS attachment works on the principle of a thrasher cylinder. It consists of an iron cylinder and a concave, both having small sharp teeth and are attached to the cutter, under the knives, and the cut feed drops from the knives directly into the grinder, the cylinder of which runs at a high rate of speed, grinding and bruising the feed, rendering it very palatable for the stock, so that they will eat it all up clean. Farmers will appreciate the great value of this grinder, especially when feeding corn stalks, for it will reduce the entire stalk to fine feed, leaving no hard pieces with sharp edges, that will cut and injure the mouths of cattle when eating it, as is the case when the stalks are split by means of the slitting attachment that is used on some feed cutters. A great amount of feed is saved by using this attachment that otherwise would have been wasted. The operation of the grinder is such that it throws the feed away from the machine, thus saving an extra hand to rake it away.

When it is not desired to use the grinder, it can be instantly ungeared, and a shute adjusted to conduct the feed away from it. The attachment is not sold with the cutter unless so ordered.

HEEBNER & SONS' DRAG SAW MACHINE.



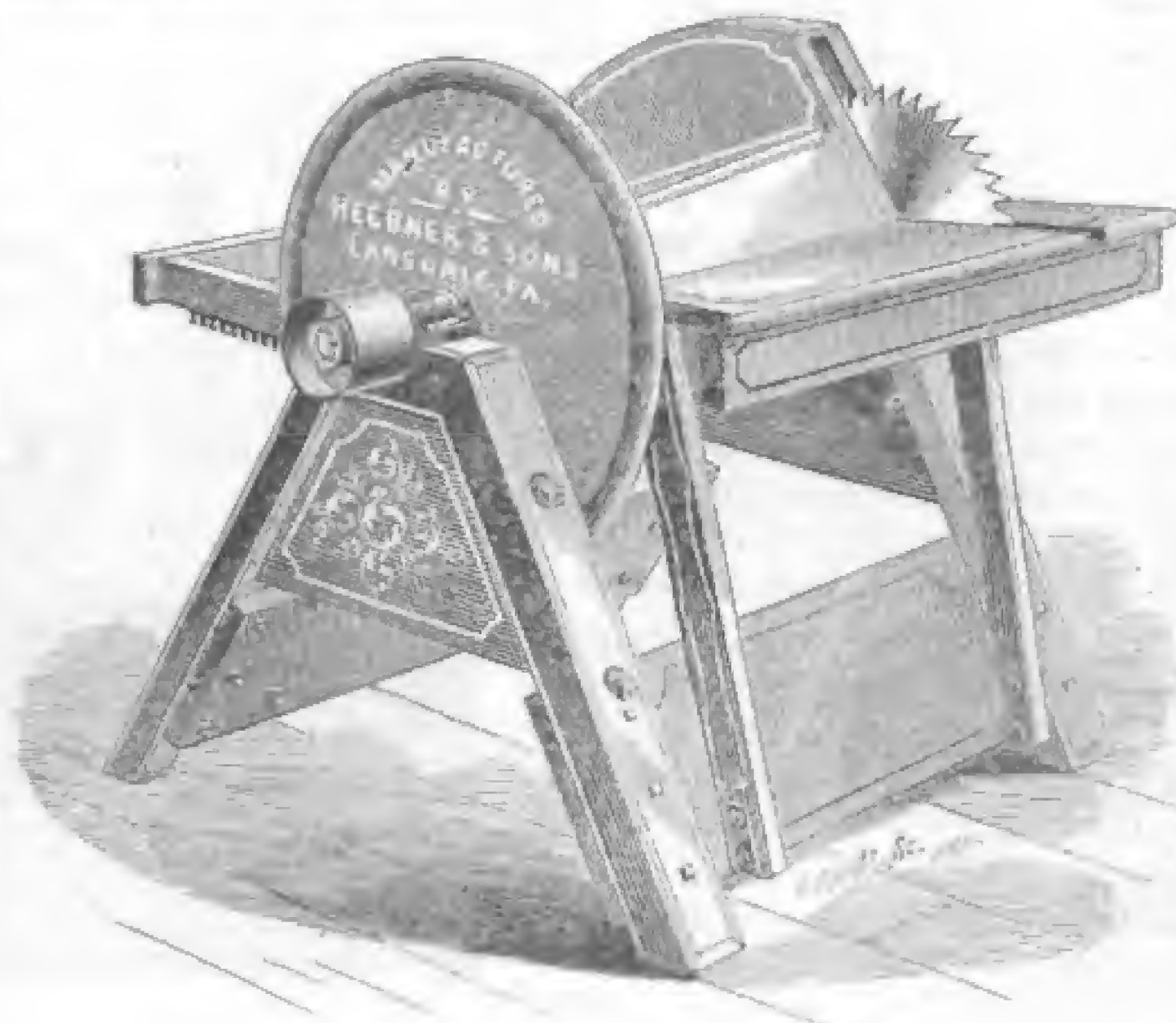
THIS machine is used for sawing logs of any size into suitable lengths for fire-wood. We have spared neither time nor expense in the production of this machine, our aim having been to combine in the simplest and most practical form all that was valuable in the various machines in use, and at the same time to make such additions and modifications as seemed necessary to harmonize and perfect its details. In this we have succeeded. The machine can be run by one or two horses, and is driven by a belt from the band-wheel of the horse-power and is easily and quickly attached to the power by a few bolts. Its compactness is such that the attendant has, while in one and the same position, full command of the brake and saw-lever, as well as the log-lever. The balance wheel has a crank that drives the saw and this crank can be adjusted to give the saw a stroke of two feet if desired.

It is the strongest, easiest running and fastest working drag saw ever made.

HEEBNERS' CIRCULAR SAW MACHINE.

CUTS LARGER WOOD THAN ANY OTHER CIRCULAR SAW MACHINE
WITH THE SAME SIZED SAW.

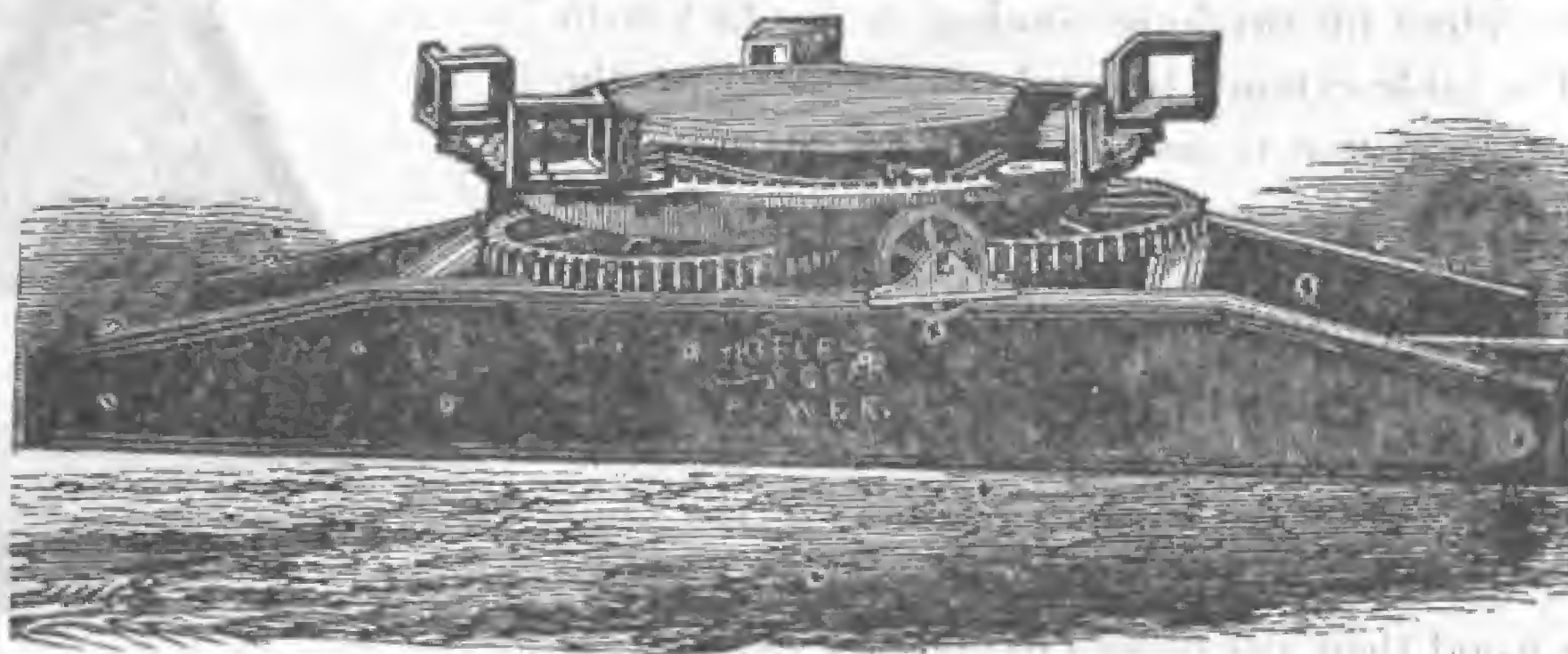
This is a strong and durable machine ; it has a large web balance wheel, which is safer than a wheel with spokes. The table works with a rack and pinion, causing it to run perfectly true and easy. It also has a shield for the saw, so that when the table is drawn forward the saw is covered to prevent accident by anything coming in contact with it. The table extends beyond the saw, so that the stick of wood that is sawed off will rest upon it until pushed off by the next stick. This prevents the necessity of having a man to hold the end of the wood while it is being sawed. Size of the saw, 24 inches ; but any other size will be furnished to order. The arrangement of the table is such as to allow the saw to cut one inch deeper than a saw of the same size in any other machine, consequently it will cut larger wood than any other circular saw machine.



HEEBNERS' LEVER HORSE-POWERS.

SOME persons prefer a Lever Power to the Railway Power. For that class of customers we have a Lever Power of an improved pattern. It has been thoroughly tested under all circumstances, and proved to be superior in many respects to other powers of the same class.

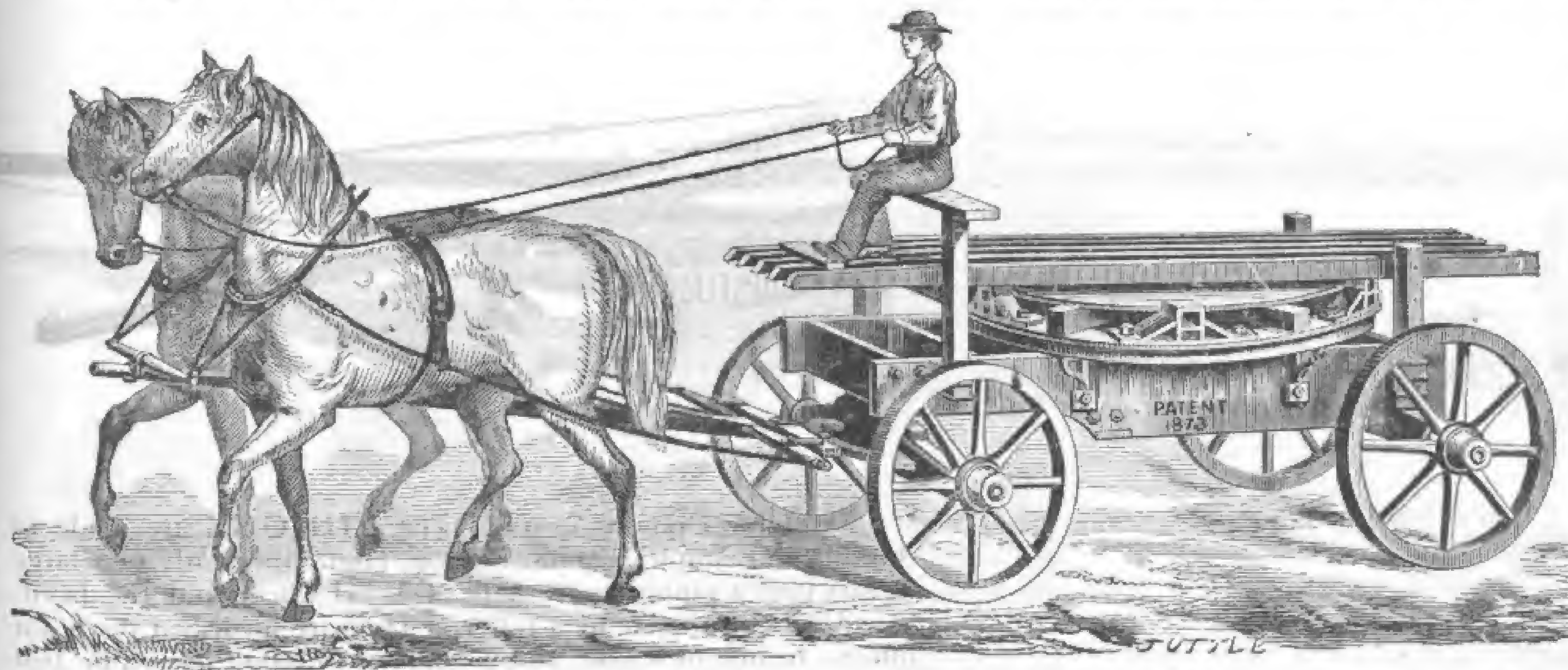
HEEBNERS' TRIPLE-GEARED POWER. This power for threshing, ginning and general farm purposes, ranks first; being the result of much labor and the expenditure of thousands of dollars in experimenting. It is remarkable for its light draft, simplicity, great strength and durability. After a careful examination of the leading lever horse-powers in use, we claim, without fear of successful contradiction, that our Triple-Geared Power is the most perfect lever power that has ever been brought before the public. The gearing is all connected by one strong iron frame, and there can be no derangement or decay. The levers are so arranged that the strain of the team is thrown upon the iron stay-rods or braces. All of the boxes are self-oiling, and the whole machine is constructed with the precision of clock work. The Heebner Triple-Gear is an anti-friction power; it rolls around freely—"no slides" being used about it. It is strictly portable; it may be moved and set ready for use in fifteen minutes by ordinary farm laborers. The driving pulley of upper-gearred powers for ginning, may be set round in any position, by merely loosening a clamp-screw without moving the power. The pinions are large and made of steel to prevent wear or friction.



Heebners' Triple-Geared Down Power.

Heebners' Triple-Geared Power, Mounted on Wagon.

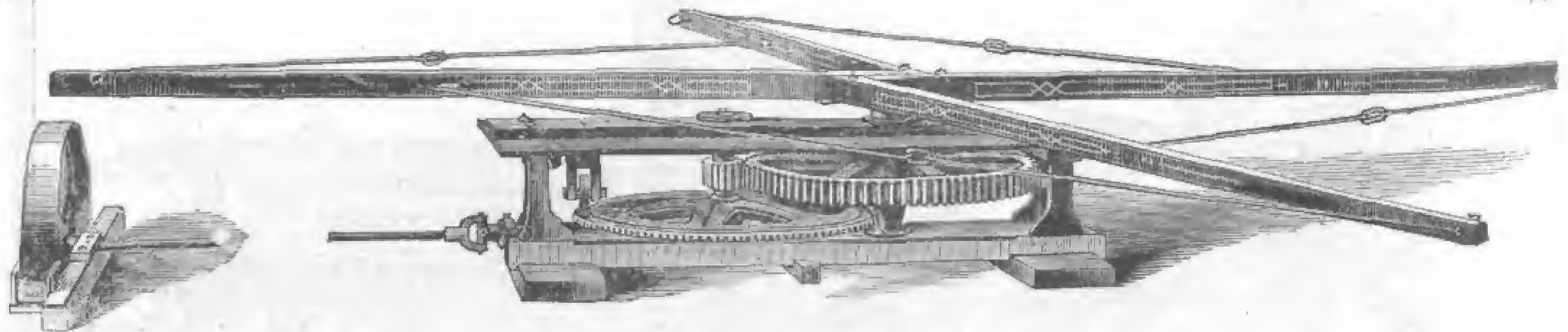
These Powers have STEEL PINIONS which Do Not Wear and Always Run Smooth and Light.



The wheels do not have to be taken off to use it; levers pass over them. Can be set up in twenty minutes ready for work. They are furnished with single and double trees and neck-yoke—a complete outfit.

The shaft of triple-geared powers makes ninety revolutions to one of team. Each power is furnished with shaft, band-wheel and pulley block.

Heebners' Pennsylvania Lever Power.



This is one of the lightest running and most durable lever powers in use. The **PINIONS** are made of **STEEL** and will not wear. It is light draft, durable and simple in construction, containing only two large cog-wheels and two pinions. The master wheel gears into a pinion upon shaft of bevel-wheel, and the bevil-wheel engages with pinion upon end of line shaft and is held in gear by a roller. They are furnished ready for work. The speed of band-wheel is eighty revolutions to one of horses, and is adapted to either geared or belt machines.

Weight of 6 horse power

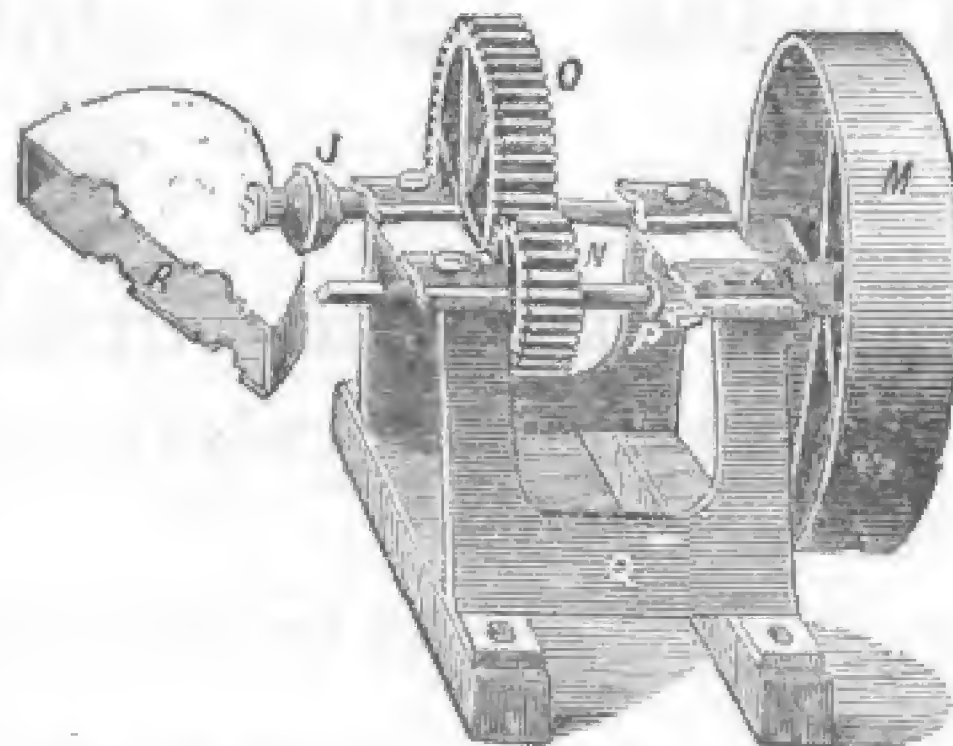
1,500 lbs.

" 4 " "

1,400 "

We also work a one and two-horse lever power which runs very easy. It is intended for light work.

Lever Horse-Power Jacks.



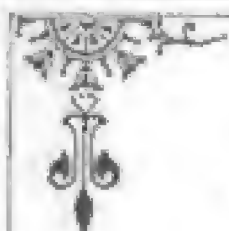
This cut represents Spur-Geared Jack.

SPUR-GEAR, TWO-SPEED JACK, IRON FRAME.

This we consider the best Jack in use. It is suited to any kind of horse-power, and is strong, runs easy, has self-oiling anti-friction boxes, a **Two-speed**, one suited for threshing and the other for grinding.

Bevel Jack.

When it is desired to run the belt at a right angle to the power we furnish a bevel Jack, with self-oiling anti-friction boxes, and made in the best style.



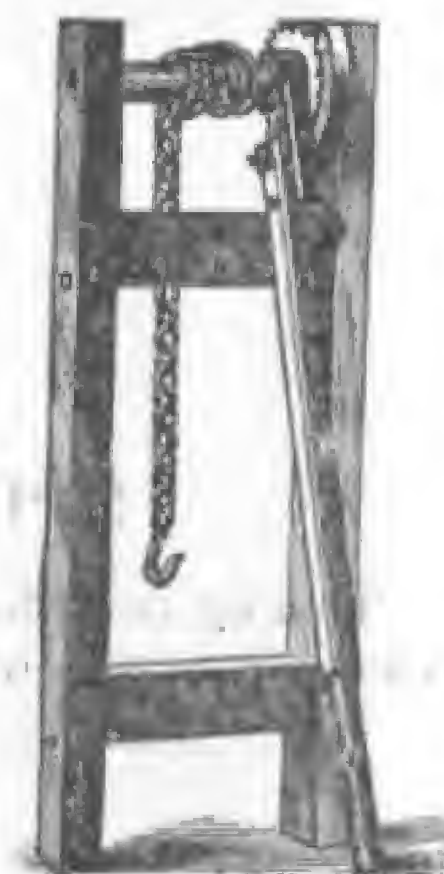
Ratchet Lever Jack.

TO BE USED WITH THE TREAD OR RAILWAY HORSE-POWER.

This is a very simple and convenient arrangement for raising and lowering the horse-powers when placing them in position.

With one of these it is an easy matter for one man to raise or lower the Power.

Every thresherman will see at once the great convenience of this jack.



IT IS FURNISHED ONLY TO ORDER AT AN EXTRA CHARGE OF \$6.00.

Ratchet Lever Jack

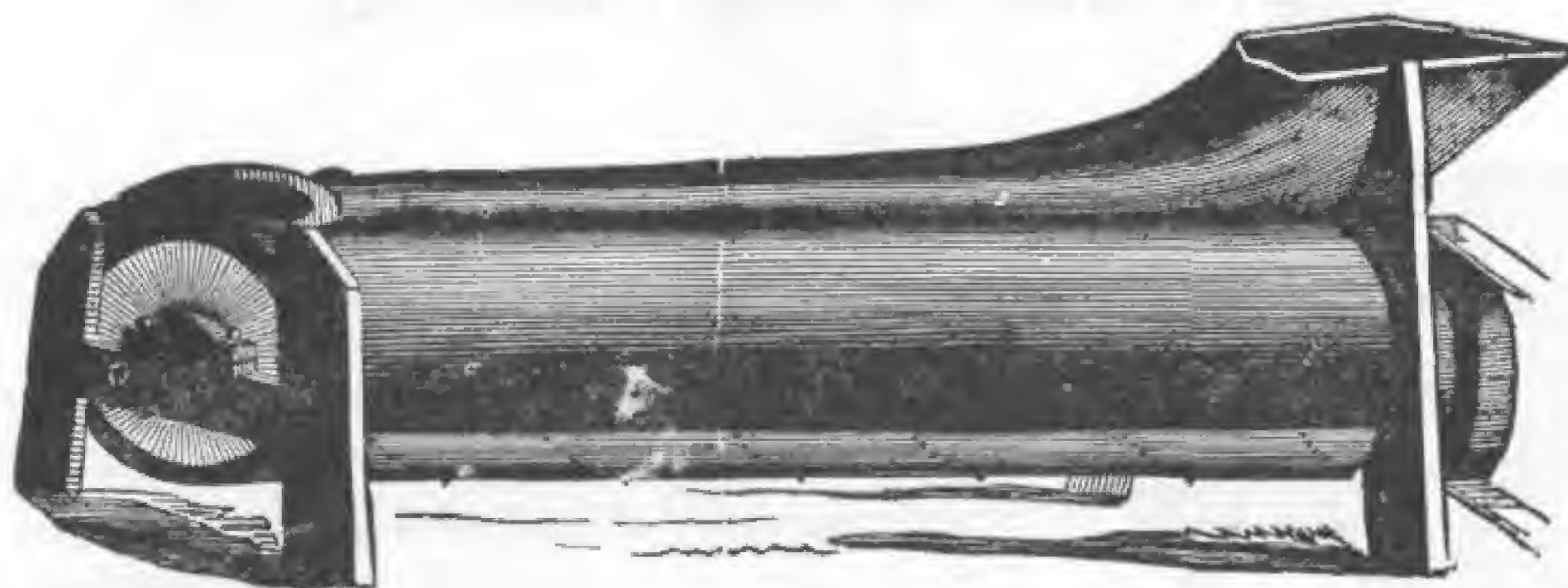
FARM FEED MILLS.

EVERY FARMER HIS OWN MILLER.



These celebrated Feed and Meal Mills have been in use for fifteen years, and have gained a reputation acquired by no other mill in the United States for quantity or quality of work done for the power consumed. During the first few years of the manufacture of the mills the sale was confined to a limited territory; now they are known in almost every town in the United States as the only reliable mill, the least liable to get out of order, costing nothing for repairs, and only from \$1.25 to \$1.50 for new rings for every 1,000 bushels ground. They will grind with our Two-Horse Level-Tread Power eight to ten bushels per hour, however wet or dry, or whatever may be its condition, without heating the grain or doing it other damage, and will never clog or choke.

Patent Power Corn Sheller.



This is the best Power Sheller. For large farmers, millers and shippers, it has no equal. It will shell in the best manner, separating the cob, 2,000 bushels a day. A two-horse power will drive it.

We also make One and Two-Hole Hand Corn Shellers.

Heebners' Farm Roller



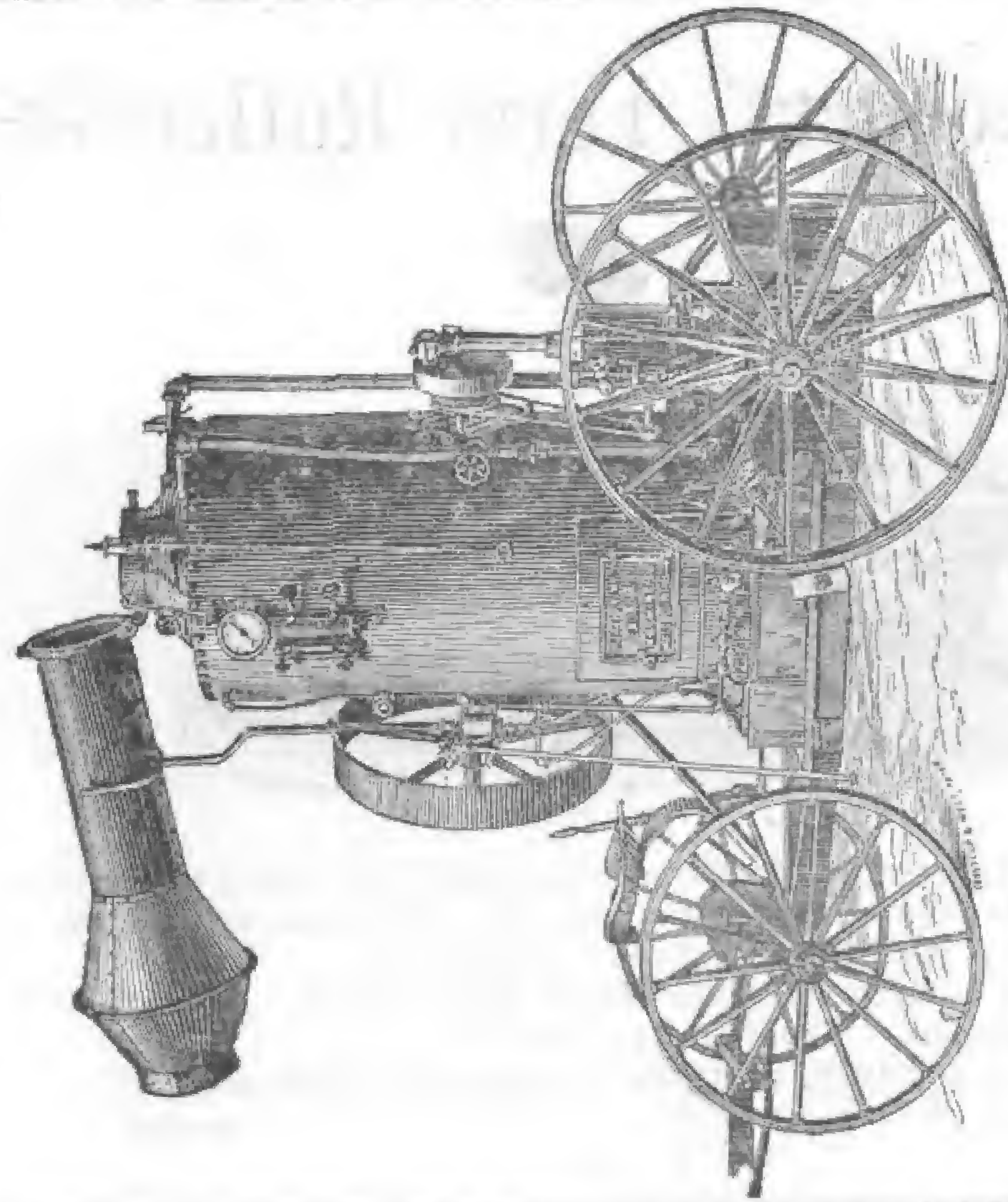
Our roller is made of the best material. It has cast-iron heads that adjust themselves to the shrinking and swelling of the staves. The staves are thoroughly seasoned oak. The axle extends the entire length of the roller; it is $1\frac{1}{2}$ inches in diameter, and the best refined wrought iron.

It has an easy spring seat that is adjustable to the weight of the driver. Every roller is furnished with a set of double-trees and neck yoke complete. There are two sizes.

No. 1 is 8 feet long, 24 inches in diameter, weighs 900 lbs.

No. 2 is 7 " " 22 " " " 700 lbs.

Our Portable Farm Engine.



SIZES AND PRICES.

Horse-Power.....	4 6 8 10	Diameter and Stroke of Piston.	4x8 5x7 6x8½ 7x9	Revolutions per Minute.....	220 197 160 160	Diameter of face of Pulley....	26x4 34x5 42x5½ 42x6½	Diameter of Boiler.....	24 inches. 27 32 36	Hight of Boiler..	5 ft. 58	No. of two-inch Tubes.....	32 52 70 80	Price.....	\$500 00 595 00 635 00 825 00	Size of Extra Pulley.....	16x4 18x4 22x6 22x7	Price of Extra Pulley.....	\$4 00 5 00 7 00 8 00
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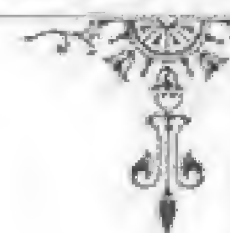
Our Portable Farm Engine.


NO ECCENTRIC, CONNECTING ROD OR CROSS HEAD.

Awarded the Gold Medal at the Alabama State Fair, held at Montgomery, Ala., 1882. The only Gold Medal Awarded for Engines. Awarded First Premium at North Carolina State Fair, held at Raleigh, N. C., 1882.

THIS engine has a vertical boiler, which is made of the best C. H. No. 1 Flange iron, to which is attached the engine. The boiler is bolted to a cast iron base, which forms the ash pan and also the base for the engine to be bolted to. A tube runs across the diameter of the boiler, at each end of which the bearings of the main shaft of the engine are bolted, having the crank of the engine on one side of the boiler and the driving pulley on the other. This equalizes the weight and strain on the boiler, thus making a substantial engine. The engine itself is simple and durable, having no eccentric, no connecting rod, and no cross-head, which is about one-third less machinery than is required for other styles of engines. The mounting, or wagon, is constructed entirely of iron, of a design much better adapted to farm purposes than others. The base of the boiler and engine is bolted to wrought iron bars with six bolts; these bars are connected to wrought iron axles by cast iron hangers, which are slipped on the axle and held in position by set screws. This enables any one to remove any part of the mounting without difficulty and replace repairs when required. As shown in the cut, the engine and boiler are placed on the wagon in such a manner that the fly-wheel or driving pulley runs transversely, which prevents the engine from rocking while in motion, and the engine is much easier placed in position for a thresher or other machinery. The engine and boiler can be removed from the wagon in a very short space of time by removing eight bolts. The engine can be placed in a building or room in the same space required for any vertical engine.

We have several other styles of the Kriebel engine, upright and horizontal, from four to twenty horse power. Send for prices.





•Warranty•

We warrant all our machines to be made of good material, in a workmanlike manner; to be easy for the team and to do as good and fast work as any other machine of the same size and class.

•Terms•

Our terms of payment are one-third cash, the remainder in approved bank notes, bearing interest and payable in three months. No notes taken from parties not shown to be responsible beyond any legal exemptions, unless amply secured by good endorsers, or otherwise. The money and notes must accompany the order for machines.

If machines are paid for in cash when the order is given, a discount of five per cent. may be deducted from the price given in the list; if paid in thirty days, a discount of three per cent. may be deducted.

•Conditions•

The freight must be paid by the purchaser.

We give the purchaser the privilege of using the machine two days (within two weeks after receiving the same), and if it fails to work as warranted, the purchaser must notify us or our agent at once, and allow us sufficient time to reach the place where the machine is, and must furnish us with a team and whatever is needed to test it with, and give us time to adjust it if necessary; and then if the machine will not work, the purchaser can return it to the warehouse, or freight depot where he got it (free of charge to us), and we will refund the freight and the money and the notes he had paid for the machines. If we are not notified to the contrary within twenty days from the time the purchaser received the machine, we shall consider it to be giving satisfaction and he must keep it.

HEEBNER & SONS.

Testimonials

DOUGLASSVILLE, Berks Co., Pa.
MESSRS. HEEBNER & SONS, Lansdale, Pa.—*Gentlemen*:—The machine I bought of your agent is the best threshing machine I ever saw. I have run threshing machines of different kinds for twelve years, but I must acknowledge that yours is the best machine I have ever used. Farmers whom I threshed for want me to come back next year.

BROOMFIELDSDVILLE, Berks Co., Pa.
MESSRS. HEEBNER & SONS, Lansdale, Pa.:—I have seen your Level-Tread Horse Power and Little Giant Threshing Machine in use, giving entire satisfaction to every person using it. Mr. Leonard Neitig purchased one and is doing the threshing for quite a number of farmers in this section, some of them having threshers of their own, but prefer to have their threshing done by your threshing machine, all of whom speak very highly of your machine.

GEO. K. LORAH,
Pennsylvania Representative.

DAVIS, Clarion Co., Pa.
MESSRS. HEEBNER & SONS, Lansdale, Pa.—*Gentlemen*:—I have used, for two seasons, one of your Two-Horse Level-Tread Powers and No. 2 Giant Thresher and Cleaner, and must say that it gives the best satisfaction of any thresher I have ever used, does its work well and complete in cleaning and threshing the grain, and would not be without one under any consideration.

EBENEZER DAVIS.

RANSOM, Pa.
MESSRS. HEEBNER & SONS, Lansdale, Pa.—*Gentlemen*:—The One-Horse Level-Tread Power and No. 3 Little Giant Thresher and Cleaner bought of you two years ago, through your agent, Mr. M. H. Coon, of Clark's Green, Pa., is by far the best machine I ever used, having worn out two others. The level lag, the speed-regulator on the power, and the patent wind-regulator on the cleaner are complete, and the machine does its work perfectly satisfactory.

WM. A. FACOL.

—"The Two-Horse Power, Thresher and Cleaner I bought of your agent has given us and our patrons entire satisfaction. We have been running since July 20th (now Dec. 2d) and have threshed over 20 000 bushels of grain, mostly wheat, and no costs for repairs or delays. We use two small horses."

CAMBRIA, Pa.

MESSRS. HEEBNER & SONS, Lansdale, Pa.:—Your Two-Horse Level-Tread Power, Thresher and Cleaner gets away with anything I ever saw for threshing and cleaning grain. I find them complete in every way. I can thresh just as much as I want to; the hardest job is to get away with the straw. The speed-regulator is perfect in every respect. Respectfully yours.
W. H. YOUNG.

H. F. Binkeypile, Penn Run, Pa., says of his Two-Horse Machine:—"I like it well; I think it cannot be equaled in the State for threshing and cleaning grain. We have threshed and cleaned, in good shape, 305 bushels in half a day. We have threshed 15,137 bushels already this season, and we have as much more to thresh. We will run between seventy-five and one hundred barns, and can not get to half that want us to thresh. We get 3 and 5 cents per bushel, where others with the——machine cannot get more than 2 and 4 cents. Every person is well pleased with our work."

J. S. Famous, Chester Valley, Pa., says:—"Your Union Feed Cutter has been cutting feed for two weeks—cornfodder and hay. It has given the best satisfaction. I have cut 100 bundles of cornfodder in 40 minutes. It cuts fodder very fine and nice."

GREENFIELD, Lackawanna Co., Pa.

MESSRS. HEEBNER & SONS, Lansdale, Pa.—*Gentlemen*:—The Two-Horse Level Tread Power and No. 2 Giant Thresher and Cleaner I bought of you, through your agent, gave good satisfaction. I threshed about 13,000 bushels of grain last year, and have threshed 568 bushels in eleven hours. The man for whom it was done said it was the best job he ever had done. Yours truly,

LAFAYETTE LEE.

HYDE PARK, Pa.

MESSRS. HEEBNER & SONS, Lansdale, Pa.—*Gentlemen*:—I consider the Two-Horse Level-Tread Power I bought of you, through your agent, Mr. M. H. Coon, of Clark's Green, Pa., several years ago, the best I ever saw. I used it for grinding apples; can grind three bushels per minute with a Jersey grinder, and need not elevate it more than enough to raise the band-wheel off the floor. The level lags and speed regulator are indispensable attachments.

Very truly yours,
B. F. WHITE.

J. W. Snyder and Peter Young, of Chester Springs, Pa., say:

Freeman Leach, Chinchville, Pa., says:—"The One-Horse Level-Tread Power and Little Giant Thresher and Cleaner I bought of you last fall, is the best machine I ever used, having used several kinds. The power will run with the least elevation. I consider the wind-regulator a great improvement; also the regulator on the power. I have threshed half a bushel oats a minute with a horse weighing 900 lbs., and a bushel a minute with a horse weighing 1,100 lbs. It does the best of work."

COLLY, Pa., January, 1883.
MESSRS. HEEBNER & SONS, Lansdale, Pa.—*Gents*:—Your Two-Horse Double Geared Power and No. 2 Giant has given me entire satisfaction. Have threshed as much as 310 bushels of oats in a half day.
Yours truly,
HENRY DIEFENBAUCH.

M. J. Harrington, Montrose, Pa., writes about one of our Two-horse Machines that he sold in his neighborhood:—"The 24th of August they moved and threshed 230 bushels of oats then moved again and threshed 22 bushels wheat and 100 bushels oats and again moved to another barn and threshed 243 bushels oats, making 595 bushels of grain in *one* day and moved three times."

In April, 1873, I purchased of Heebner & Sons a Patent Level-Tread Double-Geared Power, (the first double geared they made,) to drive a large Taylor Newspaper Printing Press. The power was properly placed, and has since been in use two or three times a week, giving the *very best satisfaction*, and showing scarcely any wear. It is decidedly the cheapest and safest power made. With the aid of the governor attachment we regulate the speed to suit our purposes; and it runs so steady that many persons visiting our office inquire: "Where do you have your engine?"

A. E. DAMBLY,
Publisher of *Der Neutralist*.

WAYSOX, Pa.
MESSRS. HEEBNER & SONS:—We wish to give you a testimonial due to the excellence of your Level-Tread Horse Power and Giant Thresher, with both of which we are highly pleased. The power is more effectual than we supposed. We have the two purchased of you last fall, doing the work of grinding our grain for feed. The public may be assured that your Power and Thresher will justify upon trial the recommendations you give it. We can grind ten bushels per hour with our Mill and your Two Horse Level-Tread Power with ease to the team. You are at liberty to refer to us at all times. We know of no horse power equal to yours.

Your friends,
V. E. & J. E. PIOLLET.

T. S. Cooper, Linden Grove, Coopersburg, Pa., says:—"Your No. 2 Giant Thresher and Cleaner I am more than well pleased with. It does its work admirably, and I can assure any of my customers and Southern friends who have need of such a machine, that they will not regret its purchase. I wish it may generally be circulated, as such serviceable Threshers and Cleaners as yours are not to be found.

Orwig & Page, Mill Creek, Mercer Co., Pa., got a Two-Horse Level-Tread Power and No. 2 Little Giant Thresher, and say: "The machine was on exhibition at the West Pennsylvania Agricultural Society and got the premium; there was great competition. All who witnessed its work think it one of the wonders of the world. It has threshed at the rate of 40 bushels of wheat and 100 bushels of oats an hour. All say it does faster and better work than you claim for it"

L. Rhoads, Truittsburgh, Clarion Co., Pa., says of our Union Fodder Cutter:—"The Union Cornstalk Cutter and Grinder I bought of you has proved a grand success. I have given it a fair test on unhusked cornstalks, and it does its work beyond all expectation. It is a grand fodder saving machine.

2

Samuel Cress, Wind Gap, Pa., says:—"The Union Feed Cutter I bought of you is the best cutter I have ever used. It gives perfect satisfaction.

T. H. Jewett, Bethel, Me., has one of our Two-Horse Little Giant machines. He says:—"In one week I threshed 1,200 bushels of oats and wheat, moved six times from one to two miles each move. I threshed 120 bushels long-strawed oats in 1½ hours. It is the best machine I ever saw; it threshes fast and cleans well."

Israel Lee, Bancroft, Me., says:—"The Two-Horse Level-Tread Power and Little Giant Thresher I bought of your agent in 1880 is still giving good satisfaction. I would not exchange it for any other make."

Fred. P. White, Dedham, Me., has one of our One-Horse Powers and Little Giant Threshers. He says:—"I threshed 40 bushels of wheat in three hours, 240 bushels of oats in one day, 800 bushels in one week. Horse weighed 1,050 pounds. The grain was all mowed and raked by hand."

Charles R. Brown, Patten, Me., has one of our two-horse machines. He says of it:—"I threshed in 5½ days, including moves,

1311 bushels of oats, wheat and barley. Made 93 bushels of toll worth then \$55.00."

C. D. Inghram and F. L. Dyer, Linneus, Me., have one of our two-horse machines. They say:—"We threshed 1,800 bushels and moved four times in one week. We threshed 112 bushels of oats in 90 minutes."

A. B. Drew, Island Falls, Me., has a two-horse machine. He says:—"I threshed and cleaned in good shape 513 bushels in eleven hours, 84 bushels in one hour, 1,570 bushels in one week, including moves. No other machine in the county can beat it."

N. D. Smith, Masardis, Me., writes to the *Home Farmer*:—"One of Heebner's Little Giant threshing machines, lately in my barn, threshed and cleaned in a satisfactory manner 140 bushels of wheat in eight hours. One-fifth of the wheat was mowed, and I had straw enough, if it had filled as it usually does, for over 200 bushels. To those intending to purchase a threshing machine I would say to them to look over the 'Little Giant.' It will not fail in giving satisfaction."

G. J. Shaw, proprietor of Cream Brook Farm, Hartland, Me., writes to George Blanchard & Bro., our agents:—"The Heebner Level-Tread Power and Little Giant Thresher I bought of you last season gives perfect satisfaction. It is very easy to run, both for man and beast, and does its work well. None have seen it in operation but pronounce it *ahead of all others*."

O. B. Poor, of Andover, Me., says:—"Your Level-Tread Horse-Power and Little Giant Thresher gives perfect satisfaction in every respect. I can thresh more grain in a given time than any other machine ever brought into this county. One man tells me that he saves his toll and the board of the help by having my machine."

The following was taken from the *Maine Farmer* of November 13th, 1884:—"Mr. Frank Hayes, of Chelsea, threshed 80 bushels of oats, for J. H. Geaton, in two hours, with a Heebner & Sons' Little Giant Machine; and in seven hours, running time, he threshed 103 bushels of oats and 97 of barley."

Oscar H. Brown, of Riverside, Me., has a Heebner Level-Tread Two-Horse Power and Little Giant Thresher. He says in the *Maine Farmer*:—"I threshed at Marcellus Davis', 300 bushels of oats and 26 bushels barley in nine hours."

DARETOWN, Salem Co.. N. J.
MESSRS. HEEBNER & SONS, Lansdale, Pa.—*Gentlemen*:—Having had thirty years' experience with different kinds of horse-powers, I can say without the least hesitation, that the one I purchased of you, through your agent, Mr. John Garrison, of Daretown, N. J., is the best and least expensive. I work my horses without shoes.
Very respectfully,
WM. T. RICHMAN.

Charles Hitchman, Daretown, N. J., says:—"I have owned several kinds of horse powers, and having bought one of your Level-Tread Powers of your agent, John Garrison, I think I have now the best power I ever had. Have threshed several days without a shoe on my horses."

Thomas Sanderlin, Salem, N. J., has one of our Level-Tread Powers and Little Giant Threshers, and says that he has threshed 4,000 bushels of wheat, besides oats, red-top and clover seed; and that he threshed straw after a new——cleaner and got six bushels of wheat to the load.

John Schneider, Martinville, N. J., says:—"MESSRS HEEBNER & SONS—I have one of your Level-Tread Powers and Little Giant Threshers, and it gives the best satisfaction. The first time I tried it I put on a horse that had never been on a power before; but there was no trouble. He walked very nicely. The level-tread is a large advantage to the horse. The speed-regulator works very successfully. I saw wood all alone without touching the break. I think it is the best machine that can be bought."

Charles Kelley, Iselin, N. J., has one of our Union Feed Cutters and he says "it does its work splendid. In less than half a day my man with the one-horse power cuts stalks enough for a week for fifteen head of cattle.

C. S. Cornell, Spencer, N. Y., writes:—"The Level-Tread Power and Little Giant Thresher gives satisfaction to all. I have threshed for one man, who says, 'I never had a better job done in my barn.' Another says: 'It is the best machine in the country; it is equal to the eight-horse machine that threshed for me last fall.' Last Tuesday I threshed 250 bushels of wheat in seven hours."

M. G. Tomny, Lyons, N. Y., has one of our Two Horse Level-Tread Powers running a Dederick Perpetual Hay Press, and says: "Your Power is the best one I ever saw. It is working very nicely. I have no harness on my team; I always kept harness on when working my other power. I can press three tons a day more than I could with the——Power."

Robert McCrea, Champlain, Clinton Co., N. Y., has a Two-Horse Level-Tread Power and No. 2 Giant Thresher and Cleaner, and he says that he threshed 590 bushel of oats in ten hours and fifteen minutes for Mr. G. E. Dunning, P. M., of his town.

D. M. Howell, Cambridge, Md., says of his Two-Horse Level-Tread Power and Little Giant Thresher and Cleaner:—"My machine does good work and every one is pleased with it that sees it work. I threshed 785 bushels wheat in three days with a light team. Have had the machine going considerable since it arrived and is perfect in every detail. Threshed out 290 bushels wheat yesterday. Enclosed find check for the amount in full."

I. C. Cummins, North Chester, Vt., has a Level-Tread One-Horse Power and No. 3 Little Giant. He says:—"It is giving perfect satisfaction. Tuesday I threshed for Mr. Weston 40 bushels of oats in one hour. The people all say, where I have threshed, that it does the work the quickest and cleanest, the best of any machine that was ever in this part of the country."

S. A. Carter, of South Portsmouth, R. I., says:—"I have run one of your Level-Tread, Little Giant threshing machines for eight years. The one I now have I have run three years and have not broken anything but a dog that goes in the cylinder pulley. We have threshed at one time 300 bushels in a day and 60 bushels in an hour, regular running time. We can thresh the coarsest and heaviest straw that grows around the beaches here, that every other machine shuns, so we have plenty of work. We have threshed in the past five weeks 8,000 bushels of oats and barley."

Zac. T. Collins, Halifax Co., Va., writes:—"Necessity compels me to speak in the most favorable terms of the Little Giant No. 2, as the best Thresher and Cleaner that has ever been introduced into this country. I have threshed 3,600 bushels of wheat, and no breakage; have run all around other machines, and done my work better."

Henry L. Upshur, Eastville, Va., has a Two Horse Machine. He writes:—"Your machine is giving perfect satisfaction. It has been running steady ever since I got it; in fact have more work than I can do."

G. E. & P. Leavit, New England, West Va., write us that, "The Two-Horse Level-Tread Power and No. 2 Little Giant Thresher and Cleaner we bought of you has given satisfaction. We worked eight weeks last year, and threshed 7,684 bushels of wheat, and this year 10,876 bushels, 2,000 bushels of which are oats. Twenty men here engaged us to do their threshing next year, and one man for

ten years. We threshed 300 bushels of wheat once in one day; have made three moves and three sets, and threshed 230, 236 and 250 bushels three different times each day, and frequently threshed 40 bushels per hour of wheat, and never less than 20 bushels, and from 60 to 80 bushels of oats. We use oxen part of the time just as good as horses, and only cost half as much. Our team weighed 2,100 pounds each."

H. C. Whitaker, New Market, Tenn., says:—"The Level-Tread Power and Thresher I purchased of you, three years ago, have given perfect satisfaction. Through the instrumentality of the Level Tread Power my acres are becoming more productive, for by its work attached to a cutter, I can chop enough cornstalks, millet, etc., in a half-day to supply twenty-five head of cattle two weeks, thereby adding to the manure pile, and saving much that would otherwise be wasted. I understand that you have made some improvement to the Power, but I fail to see where an improvement could be made on the one I use, so perfect is its work."

J. W. Cooper, Amanda, Tenn., says:—"The Little Giant gave entire satisfaction in this section of country, and if we would judge from the favor it received last season it will almost 'clean out' the Ground-Hog, that has been used almost universally in this section for the last twenty years."

John Bones Moore, Augusta, Ga., says that our Level-Tread Power and Thresher, &c., are in use, and giving entire satisfaction. One man threshed and cleaned sixty bushels of oats in one hour with the No. 2 Giant Thresher and Cleaner. I have sold them for a number of years and have never had any complaint from any of my customers, but on the contrary they have given perfect satisfaction.

Ric. A. Coffey, Esq., Coffey's Store, Jackson Co., Ala., writes and says:—"The Level-Tread Two-Horse Power and No. 2 Little Giant Thresher and Cleaner purchased of you last May was put up and run by men who had no experience with your Thresher and run through the threshing season and gave full satisfaction. I can cheerfully recommend it to the public as a good machine."

Jno. S. Watts, Okolona, Miss., says:—"Messrs. Saverly & Powell have threshed my entire crop of wheat and oats for the past four years with a No. 3 Little Giant Thresher and Cleaner, I do not hesitate to say, with entire satisfaction. I think the Little Giant No. 3 has no equal. I will have no other thresher so long as I can get the Little Giant."

James S. Noel, Mooringsport, La., writes:—"I have found everything you represented to me about your Powers true, and must say that I think your Level-Tread Powers cannot be equaled for ease on horses and the amount of power obtained from them. I work on my power I bought of you, one horse and one ox, and they fatten on the work, as it is so easy on them; the horse was very poor when I first commenced to work him, and he has fattened considerably. Everybody is pleased with it in running my boat. The old——Power that I used before I got yours I have laid away, and would be glad to sell it at any price, as it is hard on the horses."

M. T. Patrick, Waxachachie, Texas, says:—"The double-gear'd Two-Horse Power and No. 2 Little Giant Thresher, with stacker, I bought of you last year gave perfect satisfaction in every respect, and I must say it was much better than I expected when I bought it. It threshes, with ease to the team and hands, 200 bushels of wheat per day, and my wheat only made about eight bushels per acre and the straw was quite heavy. I could have threshed 400 bushels per day if my wheat had been good and in ordinary straw. The speed of the machine is the best I have ever seen, and your power is much better than the lever power. After thrashing my crop, I sold my machine, and will want you to ship me another in April next."

ANDOVER, Ohio, January 9, 1883.

MESSRS. HEEBNER & SONS, Lansdale, Pa.—*Gents*:—Can say that we are much pleased with our power. We have used it two years and the lags are but little worn, and we have not paid a cent for repairs. We use it every day for pumping water; one horse pumps an eight-barrel tank full in five minutes. We have sawed fifty cords of wood (with the circular saw) in ten hours, and the Drag saw works equally as well.

Yours, &c.,

W. & F. STRICKLAND.

Stephen Brown, Sturgis, Mich., says:—"The Level-Tread Horse-Power that I bought of you last spring works to perfection. It runs with the least elevation and with the lightest horses that I ever saw. We can saw wood as fast as they can with the threshing engine, and just as large wood. I think that speed-regulator is just the thing. I would not have a tread-power without it."

156 DEARBORN ST., Chicago, Ill., January 6, 1882.

MESSRS. E. S. BRISTOL & GALE, Chicago, Ill.—The Heebner's Level-Tread Horse-Power I bought of you is the best Power I have ever used. It gives perfect satisfaction.

Yours truly,

FRANK PARMELEE.

FERGUS FALLS, Minn., May 1, 1883.

MESSERS. HEEBNER & SONS—*Dear Sirs*:—I enclose _____, balance in full, due to-day for Level-Tread Power. I wish to say that your Two-Horse Double-Geared Level-Tread Power has given entire satisfaction from the minute it was put in motion until the present time, it being in almost constant use since being in my possession, and is as good to-day as the day I got it. I have not been delayed one minute by the power getting out of order, nor spent one cent for repairs, for none have been needed, notwithstanding the power came 1,800 miles in the dead of winter, and was delayed by storms and floods, laying over at different places, also having been reshipped at St. Paul. It beats anything in this country in the shape of horse-power for service, durability and easy, light running qualities. I remain very respectfully yours,

OSCAR MOORE.

J. W. Stone, Edgerton, Minn., has one of our Two-Horse Level-Tread Powers and Little Giant Threshers. He says:—"The longer I use the machine the better I like it. I have not threshed my timothy yet, but it will thresh anything. I have threshed rye, oats, wheat, buckwheat and flax. It cleans it splendid—can't be beat. The machine is all that it is represented to be. My team is light, but I can thresh 300 bushels oats a day, and not crowd the team. It is strong and durable"

John T. Smith, Cedar Rapids, Iowa, got a Level-Tread Two-Horse Power to run a feed mill. He says:—"The Power arrived and I got it to work yesterday, and ground five bushels per hour with a pair of light mules, which weighed 1,500 pounds. If I had a pair of horses that weighed 1,000 pounds each, I could grind ten bushels per hour. It goes ahead of my expectations in every particular, and I would not go back to wind power if it were given me. The advantages of the speed-regulator and level-tread are very great."

E. E. Curtis, Richwoods, Mo., bought a No. 2 Little Giant and says:—"My own crop of wheat was threshed from the shock, and at no time were we able to get the wheat hauled fast enough to keep the machine running. However, we threshed 850 bushels in three days, and moved the machine—once 285 bushels was the highest reached in one day. I threshed for my neighbor 1,540 bushels in four and a half days, and moved the machinery twice. The most threshed in one day was 340 bushels. Threshed one forenoon 185 bushels; at no time did we crowd the machine. I am using an old style Lever-Power, working six mules. Have any of your customers beat the above.

